

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) A device for grabbing bottles, the device comprising:
a frame having a first and a second parallel elongated support structure;
a first set of gripping heads mounted on said first elongated support structure;
a plurality of shoulder pads each adjacent to said first set of gripping heads, said plurality of shoulder pads mounted on said first elongated support structure;
a plurality of extendable arms mounted on said second elongated support structure; and
a second set of gripping heads mounted on an end of said plurality of extendable arms.
2. (original) The device according to claim 1, further comprising an interface for connecting said device to an automated system.
3. (original) The device according to claim 2, wherein said set of gripping heads each comprises:
a motorized base; and
a plurality of claws mounted on said motorized base, said motorized base enabling said claws to securely grip.
4. (original) The device according to claim 3, further comprising a pressure sensor mounted on each of said second set of gripping heads for sensing an overload of said plurality of extendable arms.
5. (previously presented) A device comprising:
a frame;
a first set of gripping heads mounted on said frame;
a plurality of shoulder pads each surrounding each of said first set of gripping heads, said plurality of shoulder pads mounted on said frame; [[and]]
a second set of gripping heads adjacent to said first set of gripping heads[[.]]; and
a plurality of extendable arms each supported by said frame, said plurality of extendable arms each having a first end and a second end, said second set of gripping heads each mounted on said first end.

6. (original) The device according to claim 5 wherein said first set of gripping heads each further comprises:
a motorized base; and
a plurality of claws mounted on said motorized base, said motorized base enabling said claws to securely grip.
7. (original) The device according to claim 5 wherein said second set of gripping heads each further comprises:
a motorized base; and
a plurality of claws mounted on said motorized base, said motorized base enabling said claws to securely grip.
8. (canceled)
9. (previously presented) The device according to claim 5 further comprising an interface for connecting the gripping device to an automated system.
10. (previously presented) The device according to claim 5 further comprising a pressure sensor connected with said plurality of gripping heads for sensing an overload of said plurality of gripping heads.
11. (previously presented) A device for grasping a bottle having a neck comprising:
a plurality of claws mounted on said motorized base, said motorized base enabling said claws to securely grip and;
a sensor for sensing an amount of stress created on the device by a weight of the bottle.
12. (cancelled)
13. (original) The device according to claim 11, wherein said plurality of claws mate with the neck of bottle.
14. (original) The device according to claim 13, wherein said plurality of claws each further comprise a pad mounted on each of said plurality of claws for supporting the neck of the bottle.
15. (canceled)
16. (canceled)
17. (canceled)

- 18 (canceled)
19. (previously presented) A device for unloading a rack storing containers, wherein: the rack has a first cell storing a first container and a second cell storing a second container;
the first container blocks removal of the second container by the device; and
the device comprises an extending arm that extends through the first cell into the second cell.
20. (previously presented) The device of claim 19, wherein the extending arm extends through a space previously occupied by the first container once the first container is removed from the rack.
21. (previously presented) The device of claim 19, wherein the extending arm comprises at least one gripping head that grips a container being removed.
22. (previously presented) The device of claim 21, further comprising at least one shoulder pad coupled to the extending arm and positioned to support a container being removed.
23. (previously presented) The device of claim 19, wherein the extending arm has a closed length and a fully extended length, the difference of which is greater than a longest length of the first container.
24. (previously presented) The device of claim 19, wherein the extending arm comprises at least one gripping head and at least one shoulder pad that supports a container being loaded into the rack.
25. (previously presented) The device of claim 19, further comprising a loading arm comprising at least one gripping head and at least one shoulder pad that supports a container being loaded into the rack.
26. (previously presented) The device of claim 25, wherein a maximum diameter of the loading arm is less than a maximum diameter of the first container.
27. (previously presented) A device for grabbing a container, comprising a loading arm having at least one gripping head and at least one shoulder pad that support the container during loading of the rack.
28. (previously presented) The device of claim 27, wherein a maximum diameter of the loading arm is less than a maximum diameter of the container.
29. (previously presented) The device of claim 27, wherein the container is defined by a cylindrical body and a conical shoulder and the at least one shoulder pad contacts the conical shoulder, not the cylindrical body when the container is grabbed.